

Express Mail Label No.

Page 1 of 3

Docket No.

71493-1180 /pw

Declaration For Patent Application**English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

VIRTUAL MIMO TRANSMITTERS, RECEIVERS, SYSTEMS AND METHODS

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International
Application Number _____
and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor WU, Shiquan	
Sole or first inventor's signature <i>Shiquan Wu</i>	Date <i>July 7, 2003</i>
Residence Nepean, Ontario, Canada	
Citizenship CANADIAN	
Post Office Address 108-C Craig Henry Dr., Nepean, Ontario, Canada K2G 6L8	

Full name of second inventor, if any TONG, Wen	<i>July 3, 2003</i>
Second inventor's signature <i>Wen Tong</i>	Date
Residence Ottawa, Ontario, Canada	
Citizenship CANADIAN	
Post Office Address 12 Whitestone Drive, Ottawa, Ontario, Canada K2C 4A7	

Full name of third inventor, if any ROYER, Claude	
Third inventor's signature <i>Claude Royer</i>	Date <i>03/07/03</i>
Residence Hull, Quebec, Canada	
Citizenship CANADIAN	
Post Office Address 170 Champlain, Hull, Quebec, Canada J8X 3R2	

Full name of fourth inventor, if any ZHU, Peiyang	
Fourth inventor's signature <i>Peiyang Zhu</i>	Date <i>03/07/03</i>
Residence Kanata, Ontario, Canada	
Citizenship CANADIAN	
Post Office Address 16 Pebble Creek Cres., Kanata, Ontario, Canada K2M 2L4	

PATENT/DOCKET NO. 71493-1180 /pw
CUSTOMER NO. 07380

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Serial No.: n/a

Filed: Herewith

Title: MISO NP-OFDM SYSTEM

§
§
§
§
§
§
§
§
§
§

Attorney Docket No. 71493-1180

Group Art Unit: n/a

Examiner: n/a

Commissioner for Patents
Alexandria, VA 22313-1450

POWER OF ATTORNEY FOR
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

Nortel Networks Limited
2351 Boulevard Alfred-Nobel
St. Laurent, Quebec H4S 2A9, Canada

the owner by assignment of the entire right, title and interest to the invention for
VIRTUAL MIMO TRANSMITTERS, RECEIVERS, SYSTEMS AND METHODS,
by WU, Shiquan, TONG, Wen, ROYER, Claude and ZHU, Peiyang and in and to the
application for patent and any Letters Patent, whether domestic or foreign, that may issue
thereon, by virtue of the assignment:

☒ Recorded Concurrently Herewith
☐ Recorded on
☐ Recorded at Reel Frame
☐ Copy Attached

hereby appoints the following attorneys and/or agents to prosecute this application and
transact all business in the Patent and Trademark Office connected therewith:

A. DAVID MORROW (Reg. No. 28,816)
ROBERT D. GOULD (Reg. No. 27,523)
THOMAS R. KELLY (Reg. No. 29,244)
TOKUO HIRAMA (Reg. No. 32,551)
KOHJI SUZUKI (Reg. No. 44,467)
R. JOHN HALEY (Reg. No. 29,502)
THUY HUONG NGUYEN (Reg. No. 47,336)
DAVID E. SCHWARTZ (Reg. No. 48,211)
STEVEN B. GARLAND (Reg. No. 50,003)
MATTHEW M. ROY (Reg. No. 48,074)
ELIZABETH A. HAYES-QUEBEC (Reg. No. 48,305)

JAMES McGRAW (Reg. No. 28,168)
JOHN BOCHNOVIC (Reg. No. 29,229)
JOY D. MORROW (Reg. No. 30,911)
R. ALLAN BRETT (Reg. No. 40,476)
PHILIP D. LAPIN (Reg. No. 44,443)
CHRISTINE N. GENGE (Reg. No. 45,405)
KEVIN K. GRAHAM (Reg. No. 47,365)
ELLIOTT S. SIMCOE (Reg. No. 50,010)
SOHRAB SABET (Reg. No. 30,723)
COLIN B. INGRAM (Reg. No. 52,437)

PLEASE SEND CORRESPONDENCE TO: SMART & BIGGAR
P.O. Box 2999, Station D
900-55 Metcalfe Street
Ottawa, Ontario
Canada K1P 5Y6
Tel: (613) 232-2486
Fax: (613) 232-8440



07380

PATENT TRADEMARK OFFICE

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

NORTEL NETWORKS LIMITED

July 7, 2003

Date

Name:

Jaspreet K. Harit

Title

Senior Counsel